CLAIMS

1 An airframe/nozzle arrangement for a VTOL or STOVL aircraft having a airframe mounted propulsive system for generating vertical lift, the arrangement comprising a hinged deflector door pivotally mounted on the underside of the airframe for exhaust efflux deflection, the deflector being provided with a pair of lateral sidewalls which are ~~are~~ movable in the plane of the door to direct the efflux sidewards for aircraft yaw control.

2 An airframe/nozzle arrangement as claimed in claim 1 wherein the sidewalls are movable with respect to the deflector door.

3 An airframe/nozzle arrangement as claimed in claim 2 wherein the sidewalls are pivotally mounted with respect to the deflector door.

4 An airframe/nozzle arrangement as claimed in claim 3 wherein the sidewalls are connected for co-ordinated pivotal movement.

5 An airframe/nozzle arrangement as claimed in claim 4 wherein the sidewalls each define one side of a movable yaw deflector pivotally mounted to the deflector door.

6 An airframe/nozzle arrangement as claimed in claim 5 wherein the yaw deflector comprises a tray type structure which lies flat against the defector door for exhaust efflux impingement.

7 An airframe/nozzle arrangement as claimed in claim 6 wherein the ~~yaw deflector comprises~~ lateral sidewalls comprise a hollow frame

type structure which lies flat against the deflector door, the frame being hollow in the region of exhaust efflux impingement.

8 An airframe/nozzle arrangement as claimed in claim 7 wherein the sidewalls are joined at their respective downstream ends by a member which engages a guide formed in the deflector door.

9 An airframe/nozzle arrangement as claimed in claim 1 wherein the sidewalls are pivotally mounted in spaced apart relation to opposing sides of the deflector door, and are linked together by means of a connecting element to define a parallelogram ~~type~~ linkage for co-ordinated pivotal movement for aircraft yaw control.

10 An airframe/nozzle arrangement as claimed in claim 9 wherein the connecting element lies within a channel formed in the deflector door.

11 An airframe/nozzle arrangement as claimed ~~in any preceding~~ claim wherein the downstream edge of the deflector door is angled relative to ~~the main region~~ remainder of the deflector door to direct the exiting exhaust efflux further in the aftward direction of the airframe.

12 An airframe/nozzle arrangement substantially as hereinbefore described with reference to the accompanying drawings.